

SEQUENCE LISTING

<110>	Han, et al.	
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685

680

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	gta aat gct /al Asn Ala					e His		2649
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	gag aac aag Slu Asn Lys 805					u Ala		2745
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cga Arg 1190	Arg				tta Leu 1195											3906
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	Leu				gaa Glu 1285											4176
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				ggt Gly									1737
				ggc 330									1785
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				tta Leu									1881
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				cgg Arg 410								cag Gln 420	2025
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						gag Glu 795									3177
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						gct .Ala									3369
						cct Pro 875									3417
						atc Ile									3465
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						agg Arg									3561
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						aag Lys 955									3657
						gct Ala									3705
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cgg gag aag Arg Glu Lys		gcc cag Ala Gln		Glu				ttc Phe	3933
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acc tot gcc Thr Ser Ala		act ctt Thr Leu		Ser				gac Asp	4023
gca gct ctt. Ala Ala Leu		ctg ggc Leu Gly		Gln				gaa Glu	4068
ccg aga cag Pro: Arg Gln				Cys				gag Glu	4113
gtg act gtg Val Thr Val		agg gcg Arg Ala		Leu		a Phe			415.8
agg tca acg Arg Ser Thr				Thr				gac Asp	4203
cca gaa aaa Pro Glu Lys				His				tgt Cys	4248
ggg aca cac Gly Thr His		agc tgt Ser Cys		Val					4293
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cag cag cgg Gln Gln Arg				Tyr					4383
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ccc ctg ctg Pro Leu Leu				Leu				aat Asn	4473
ttt tca gac Phe Ser Asp									4518

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								acc Thr 1335	Cys					cag Gln	4788	
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	_		tgt Cys 1360					tgt Cys 1365						cgg Arg	4878	i
								gcg Ala 1380	Leu					caa Gln	4923	
								tcc Ser 1395						agc Ser	4968 	÷
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			gcc Ala 1510												5328
			tat Tyr 1525											caa Gln	5373
			aca Thr 1540											tcc Ser	5418
			aac Asn 1555											atc Ile	5463
			ctg Leu 1570											aaa Lys	5508
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			tcc Ser 1615												5643
			cct Pro 1630												5688
			tac Tyr 1645												5733
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			aga Arg 1675												5823
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_			cgg Arg 1720		_	_		_	_			_	_		5958

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Pro Tyr Cys (Gln Lys His Lys 165	Leu Ser Ser 170	Ser Glu Val Val	Glu Glu 175

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Leu	Lys	Tyr	Val	Leu 485	Ile	Ser	Lys	Pro	Thr 490	Glu	Trp	Ser	Asp	Glu 495	Leu					
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- Val Gly Gln Val Ala Ala Thr Asp Glu Ile Lys Arg Glu Ile Ile His
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- Gln Leu Ser Ile Lys Pro Met Ala His Ser Glu Leu Val Lys Ser Leu 785 790 795 800
- Pro Glu Asp Glu Asn Lys Glu Thr Gly Met Glu Ser Val Ile Glu Ser 805 810 815
- Val Ala His Phe Lys Lys Pro Gly Leu Thr Gly Arg Gly Met Tyr Glu 820 825 830
- Leu Lys Pro Glu Cys Ala Lys Glu Phe Asn Leu Tyr Phe Tyr His Phe 835 840 845
- Ser Arg Ala Glu Gln Ser Lys Ala Glu Glu Ala Gln Arg Lys Leu Lys 850 855 860
- Arg Glu Asn Lys Glu Asp Thr Ala Leu Pro Pro Pro Ala Leu Pro Pro 865 870 875 880
- Phe Cys Pro Leu Phe Ala Ser Leu Val Asn Ile Leu Gln Cys Asp Val 885 890 895
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- Gly Ser Ala Trp Ser Glu Ser Met Leu Gln Arg Val Leu His Leu Ile 915 920 925
- Gly Met Ala Leu Gln Glu Glu Lys His His Leu Glu Asn Ala Val Glu 930 935 940

- Gly His Val Gln Thr Phe Thr Phe Thr Gln Lys Ile Ser Lys Pro Gly 945 950 955 960
- Asp Ala Pro His Asn Ser Pro Ser Ile Leu Ala Met Leu Glu Thr Leu 965 970 975
- Gln Asn Ala Pro Ser Leu Glu Ala His Lys Asp Met Ile Arg Trp Leu 980 985 990
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- Ala His Cys Trp Gln Arg Tyr Phe Asp Ser Val Gln Ala Lys Glu 1175 1180 1185

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- Thr Val Ile Pro Leu Leu Pro Pro Arg Ser Ile Leu Ser Arg 1220 1225 1230
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- Val Phe Gly Pro Leu Pro Cys Arg Leu Asp Asp Cys Leu Arg Ser 1355 1360 1365
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- Val Val Gln Gly His Phe Cys. Lys Leu Phe Ala Ser Leu Val Pro 1385 1390 1395
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1665

Glu Asp Val Gly Ala Cys Thr Ala His Thr Tyr Ser. Cys Gly Ser

1660

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Asp As	sp 700	Tyr	Gly	Glu	Thr	Asp 1705	Gln	Gly	Leu	Arg	Arg 1710	Gly	Asn	Pro	
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Lys Ser Glu Glu Ile Thr His Asp Lys Glu Lys Ala Glu Arg Lys

1015

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Glu Lys Gln Glu Glu Ser Val Gln Met Ser Ile Phe Thr Pro Leu Glu 65 70 75 80

Trp Tyr Leu Phe Gly Glu Asp Pro Asp Ile Cys Leu Glu Lys Leu Lys 85 90 95

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Ser	Lys	Val	Ile	Asn 885	Leu	Leu	Asn	Cys	Asp 890	Ile	Met	Met	Tyr	Ile 895			
Arg	Thr	Val	Phe 900	Glu	Arg	Ala	Ile	Asp 905	Thr	Asp	Ser	Asn	Leu 910	_	Thr		
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Glu	Glu 930	Lys	Gln	Gln	Leu	Gln 935	Lys	Ala	Pro	Glu	Glu 940	Glu	Val	Thr	Phe		
Asp. 945	Phe	Tyr	His	Lys .	Ala 950	Ser	Arg	Leu-	Gly	Ser 955	Ser	Ala	Met		Ile 960	· .	
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Lys,	Asp	Met	Ile 980	Thr	Trp	Ile	Leu	Gln 985	Met	Phe	Asp	Thr	Val 990	-	Arg		1.
Leu		Glu 995	Lys	Ser	Сув	Leu	Ile 1000		l Ala	a Thi	Thi	Se:		ly S	er Glu		
Ser.	Ile 1010		s Asr	n Asp	Glu	Ile 101		ır Hi	is As	sp L		lu 1 020	Lys .	Ala	Glu	a .	
Arg.	Lys. 1025		, Lys	s Ala	Glu	Ala 103		la Ai	g Le	eu Hi		rg ()35	Gln :	Lys	Ile.	:· .	
	Ala 1040		n Met	Ser	: Ala	Leu 104		ln Ly	s As	sn Pl		le ()50	Glu '	Thr	His	• • •	
Lys	Leu 1055		: Туг	Asp) Asn	Thr 106		er Gl	lu Me	et Pi		ly 1 065	Lys (Glu .	Asp		
Ser [:]	Ile 1070		: Glu	ı Glu	ı Glu	Ser 107		ır Pı	o Al	la Va		er 1	Asp '	Tyr	Ser		
Arg	Ile 1085		ı Leı	ı Gly	Pro	Lys		g Gl	ly Pi	co Se		al 1	Thr (Glu :	Lys		

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- Thr Ala Leu Thr Gln His Arg Gly Lys Pro Ile Glu Leu Ser Gly 1130 1140
- Glu Ala Leu Asp Pro Leu Phe Met Asp Pro Asp Leu Ala Tyr Gly 1145 1150 1155
- Thr Tyr Thr Gly Ser Cys Gly His Val Met His Ala Val Cys Trp 1160 1170
- Gln Lys Tyr Phe Glu Ala Val Gln Leu Ser Ser Gln Gln Arg Ile 1175 1180 1185
- His Val Asp Leu Phe Asp Leu Glu Ser Gly Glu Tyr Leu Cys Pro 1190 1200
- Leu Cys Lys Ser Leu Cys Asn' Thr Val Ile Pro Ile Ile Pro Leu 1205 1210 1215
- Gln Pro Gln Lys Ile Asn Ser Glu Asn Ala Asp Ala Leu Ala Gln 1220 1225 1230
- Leu Leu Thr Leu Ala Arg Trp Ile Gln Thr Val Leu Ala Arg Ile 1235 1240 1245
- Ser Gly Tyr Asn Ile Arg His Ala Lys Gly Glu Asn Pro Ile Pro 1250 1255 1260
- Ile Phe Phe Asn Gln Gly Met Gly Asp Ser Thr Leu Glu Phe His 1265 1270 1275

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- Ser Ile Leu Ser Phe Gly Val Glu Ser Ser Ile Lys Tyr Ser Asn 1280 1285 1290
- Ser Ile Lys Glu Met Val Ile Leu Phe Ala Thr Thr Ile Tyr Arg 1295 1300 1305
- Ile Gly Leu Lys Val Pro Pro Asp Glu Arg Asp Pro Arg Val Pro 1310 1315 1320
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- Asn Leu Leu Gly Asp Glu Gly Lys Pro Leu Phe Gly Ala Leu Gln 1340 1345 1350

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grand and the

1590

1585

ALG	1595	nrg	ASII	361	Deu	1600	Giu	neu	PIO	Азр	1605	lyr	561	Cys		
Leu	Leu 1610		Gln	Ala	Ser	His 1615	Phe	Arg	Cys	Pro	Arg 1620	Ser	Ala	Asp		
Asp	Glu 1625	Arg	Lys	His	Pro	Val 1630	Leu	Cys	Leu	Phe	Cys 1635	Gly	Ala	Ile		
Leu	Cys 1640		Gln	Asn	Ile	Cys 1645		Gln	Glu	Ile	Val 1650	Asn	Gly	Glu		
Glu	Val 1655		Ala	Cys.	Ile	Phe 1660		Ala	Leu	His	Cys 1665	_	Ala	Arg		
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